

**WHAT IS CLAIMED IS:**

1. A docking station for a cellular telephone, the docking station comprising:  
a support structure including a first surface on which is disposed a display device  
and a cradle;  
a station power source;  
charging means coupled to the station power source for charging the station power  
source;  
a first connector assembly for coupling the station power source to an external  
source of electrical energy;  
a second connector assembly coupled to the charging means for selectively  
coupling the charging means to the cellular telephone for charging the  
cellular telephone; and  
a switch for selectively coupling the station power source to the cellular telephone  
when the cellular telephone is positioned in the docking station.

2. A docking station for a wireless communication device, the docking  
station comprising:  
a docking housing having a planar first surface;  
a display device mounted on the planar surface;  
cradle means for supporting the wireless communication device, the cradle means  
disposed on the docking housing;  
a connector for electrically coupling the docking station to the wireless  
communication device;  
an internal voltage source;  
a charging circuit for charging a voltage source; and  
a switch for selectively coupling the charging circuit to the internal voltage  
source.

3. A docking station for a wireless communication device as defined in  
Claim 2, wherein the connector comprises a first terminal coupled to the internal voltage  
source.

1           4.       A docking station for a wireless communication device as defined in  
2 Claim 3, wherein the connector comprises a second terminal selectively coupled to the  
3 charging circuit through the switch.

1           5.       A docking station for a wireless communication device as defined in  
2 Claim 4, wherein the connector comprises a third terminal coupled to GND.

1           6.       A docking station for a wireless communication device as defined in  
2 Claim 5, wherein the first terminal is for selective coupling to a B<sup>+</sup> bus in the wireless  
3 communication device and the second terminal is for coupling to a wireless  
4 communication device voltage source.

1           7.       A docking station for a wireless communication device as defined in  
2 Claim 4, wherein the switch has a pole coupled to the charging circuit and has a first  
3 terminal selectively coupled to the first terminal of the connector.

1           8.       A docking station for a wireless communications device as defined in  
2 Claim 7, wherein the switch has second terminal selectively coupled to the second  
3 terminal of the connector.

1           9.       A docking station for a wireless communication device as defined in  
2 Claim 8, wherein the first terminal is for selective coupling to a B<sup>+</sup> bus in the wireless  
3 communication device and the second terminal is for coupling to a wireless  
4 communication device voltage source.

1           10.      A docking station for a wireless communication device as defined in  
2 Claim 8, wherein when a wireless communication device is positioned in the docking  
3 station, the switch operates to couple the charging circuit to the second terminal of the  
4 connector so as to enable the charging circuit to charge the wireless communication  
5 device voltage source.

1           11.      A docking station for a wireless communication device as defined in  
2 Claim 8, wherein when a wireless communication device is not positioned in the docking

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3 station, the switch operates to couple the charging circuit to the docking station internal  
4 voltage source.

1 12. A docking station for a wireless communication device, as defined in  
2 Claim 2, further comprising a video interface coupled to the display device and operable  
3 to transform a video signal generated by the wireless communication device into a video  
4 signal that is compatible with the display device.

1 13. A docking station for a wireless communication device as defined in  
2 Claim 12, wherein when a wireless communication device is positioned in the docking  
3 station, the switch is operable to couple the charging circuit to the wireless  
4 communication device voltage source so as to enable the charging circuit to charge the  
5 wireless communication device voltage source.

1 14. A docking station for a wireless communication device as defined in  
2 Claim 13, wherein when a wireless communication device is not positioned in the  
3 docking station, the switch operates to couple the charging circuit to the docking station  
4 internal voltage source.

1 15. A docking station for a wireless communications device as defined in  
2 Claim 2, further comprising means for determining whether a wireless communications  
3 device is docked at the station and for providing status information as a result of the  
4 determination.

1 16. A docking station for a wireless communications device as defined in  
2 Claim 15, wherein the switch is operable in a response to status information to selectively  
3 couple the charging circuit to the station power source when a wireless communications  
4 device is not docked and to selectively couple the charging circuit to a power source of  
5 the wireless communications device when a wireless communications device is docked.

1 17. A docking station for a wireless communication device as defined in  
2 Claim 16, further comprising a video interface coupled to the display device and operable  
3 to transform a video signal generated by the wireless communication device into a video  
4 signal that is compatible with the display device.

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1           18.     In a docking station for a wireless communications device, an apparatus  
2 for selectively supplying power to the communications device, the apparatus comprising:  
3           a connector for electrically coupling the docking station to the communications  
4           device, the connector having at least first and second terminals;  
5           a switch having a pole, a first terminal, and a second terminal, the switch operable  
6           in response to status information indicating whether a communications  
7           device is docked at the docking station;  
8           a charging circuit coupled to the pole of the switch;  
9           a station power source coupled to the first terminal of the switch; and  
10          means for determining whether a communication device is docked at the station  
11          and for providing status information as a result of the determination.

1           19.     An apparatus as defined in Claim 18, wherein the first terminal of the  
2 switch is electrically coupled to the first terminal of the connector and the second terminal  
3 of the switch is electrically connected to the second terminal of the connector.

1           20.     An apparatus as defined in Claim 19, wherein the switch operates to  
2 connect the pole terminal to the first terminal in response to status information indicating  
3 that a communications device is not docked at the docking station, whereby the charging  
4 circuit then charges the station power source.

1           21.     An apparatus as defined in Claim 19, wherein the second terminal of the  
2 connector is configured to be coupled to the wireless communications device power  
3 source when the device is docked and wherein the switch operates to connect the pole  
4 terminal to the second terminal of the switch in response to status information indication  
5 that a wireless communications device is docked at the docking station, whereby the  
6 charging circuit then charges the wireless communications device power source.

1           22.     A method of enhancing the capabilities of a wireless communications  
2 device for information acquisition applications, the method comprising the steps:  
3           mounting the wireless communications device on a docking station that  
4           comprises:  
5           (a)     a cradle for the wireless communications device,

(b) a display device,  
 (c) a connector for effecting an electrical interface to the wireless communication device,  
 (d) a station power source,  
 (e) a charging circuit, and  
 (f) a switch operable in response to information indicating whether or not a wireless communications device is docked at the docking station;  
 coupling a video output from the wireless communications device to the display device;  
 causing the station power source to be coupled to the wireless communications device; and  
 causing, in response to information that the wireless communication device is docked at the station, the charging circuit to charge the wireless communications device.

23. A method as defined in Claim 22, wherein, in response to information indicating that a wireless communications device is docked at the docking station, the switch couples the charging circuit to a voltage source included with the wireless communications device, and in response to information indicating that a wireless communications device is not docked at the station, the switch couples the charging circuit to the station power source.

24. An assembly for docking a wireless communication device (WCD) so as to enhance the capabilities of the device, the assembly comprising:  
 a housing having a receptacle for the WCD;  
 an enhanced display device;  
 an internal chargeable power source;  
 a charging circuit;  
 a switch means, responsive to a predetermined status of the assembly, for selectively coupling the charging circuit to the internal chargeable power source;  
 a detachable means for coupling the charging circuit to a source of electrical power;

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11 a video interface circuit for coupling the video output of the WCD to the enhanced  
12 display device;  
13 a connector for electrically coupling the docking station to the WCD; and  
14 a support for the housing.

1 25. An assembly as defined in Claim 24, wherein the enhanced display device  
2 is mounted on a planar surface of the housing.

1 26. An assembly as defined in Claim 25, wherein the support for the housing  
2 is a stand having a base portion and an oblique back portion.

1 27. An assembly as defined in Claim 25, wherein the support is rotatably  
2 attached to the housing.

1 28. An assembly as defined in Claim 25, wherein the detachable means  
2 includes a line cord and a plug for insertion into an AC outlet.

1 29. An assembly as defined in Claim 24, wherein the switch is operable in a  
2 response to status information to selectively couple the charging circuit to the station  
3 power source when a WCD is not docked and to selectively couple the charging circuit to  
4 a power source of the WCD when a WCD is docked.

1 30. An assembly as defined in Claim 29, further comprising a connector for  
2 effecting an electrical connection between the assembly and the WCD, the connector  
3 comprising a first contact coupled to the internal chargeable power source and a second  
4 contact coupled to the switch means.

1 31. A method for using a wireless communication device, the method  
2 comprising:

3 mounting the wireless communications device on a docking station that

4 comprises:

5 (g) a cradle for the wireless communications device,

6 (h) a display device,

7 (i) a connector for effecting an electrical interface to the wireless  
8 communication device,

9 (j) a station power source,  
10 (k) a charging circuit, and  
11 (l) a switch operable in response to information indicating whether or  
12 not a wireless communications device is docked at the docking station;  
13 causing the station power source to be coupled to the wireless communications  
14 device; and  
15 causing, in response to information that the wireless communication device is  
16 docked at the station, the charging circuit to charge the wireless  
17 communications device.

1 32. A method as defined in Claim 31, further comprising:  
2 using the docking station in a portable mode; and  
3 continuing to cause the station power source to be coupled to the wireless  
4 communication device and to cause the charging circuit to charge the  
5 wireless communication device.